#### VOC Emissions and Pesticide Consumer Products

David Mallory November 9, 2010



## What is the Consumer Products Program?

- Limits for VOC content in consumer products (CP)
- CP: Chemically formulated products used by household and institutional consumers, including home lawn and garden products
- Program began in 1989; currently over 100 categories are regulated



## Which Pesticide Products Does ARB Regulate?

- Primarily retail home/institutional use
- No "Restricted Use" or "Agricultural Use Only"
- No Pest Control Operator-applied pesticides (even if "general use")
- ARB & DPR consult on products having both home and agricultural use
- Solvents and propellants are focus not "actives"



# Which Pesticide Categories are Regulated by ARB?

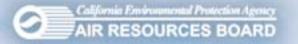
- Insecticides
  - Crawling Bug
  - Flying Bug
  - Flea & Tick
  - Wasp or Hornet
  - Lawn & Garden

- Insect Foggers
- Aerosol Insect Repellents
- Disinfectants,
  Sanitizers
- Non-selective Terrestrial Herbicide



## What are the VOC Limits for the Regulated Categories?

- Crawling Bug 20 % (Nonaerosol)
  15 % (Aerosol)
- Flying Bug 35 % (Nonaerosol)
  25 % (Aerosol), 20 % (2014)
- Flea and Tick 25 % (All forms)
- Wasp or Hornet 40% (Aerosol), 10 % (2014)
- Lawn or Garden 3 %(Nonaerosol)
  20 % (Aerosol)



## What are the VOC Limits for The Regulated Categories? (cont.)

Insect Foggers

45 % (All forms)

 Non-Selective Terrestrial Herbicide 3 % (Nonaerosol)

Insect Repellent

**65 % (Aerosol)** 

 Disinfectants & Sanitizers 70 % (Aerosol) 1 % (Nonaerosol)



#### **How does ARB set VOC Limits?**

- Open regulatory process
- Technical justifications
  - (Mandatory) Survey data
  - Trade journals, patents, technical bulletins, industry participation
  - Health and Safety Code: special provisions for "health benefit products"
  - Prohibits eliminating product forms

#### Where can I find more information?

- http://www.arb.ca.gov/consprod/consprod.htm
- David Mallory
  - Manager, Measures Development Section
  - dmallory@arb.ca.gov
  - **(916) 445-8316**

Margaret Chu, Staff, Measures Development Section

- mmchu@arb.ca.gov
- **(916) 323-6501**

Trish Johnson Staff, Measures Development Section

- tjohnson@arb.ca.gov
- **(916) 445-3365**

